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## (54) PLANT FRESHNESS MAINTAINING AGENT AND PLANT TREATED WITH THE **AGENT AFTER HARVEST**

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a freshness maintaining agent for a plant especially for a cut flower, and a vegetable and a fruit after their harvest and capable of being prepared, supplied, preserved, and used stably and easily by constituting the agent with a silver compound and an aqueous solution containing a specific complexing agent.

SOLUTION: This plant freshness maintaining agent is constituted by (A) a silver compound with (B) an aqueous solution containing one or more kinds of a complexing agents selected from (i) a thiol compound of the formula: HSRCOOH [R is a (substituted by methyl, etc.), 1-4C alkylene], (ii) an acetylaminocarboxylic acid of the formula: R1SR2CH(NHCOOCH2)COOK (R1 is a 1-

$$\begin{array}{c|c} R_{5} & R_{4} \\ & | & | \\ X_{i} = -X_{5} \\ & | & | \\ X_{i} = -X_{i} \\ & | & | \\ R_{i} & R_{2} \end{array}$$

2C alkyl; R2 is a 1-2C alkylene), (iii) an aminosulfonic acid of the formula: XRSO3H (R is a 1-3C alkylene; X is an amino or the like), (iv) a five-membered heterocyclic compound containing nitrogen of formula I or II [X1 to X4 are each C or N, and when each of X1 to X4 is N, R1 to R5 to be bonded therewith do not exist and not all of them are N simultaneously; R1 to R6 are each amino or the like; R7 is H, phenyl (of which H's are substituted by OH, etc.), or the liked, etc.

## **LEGAL STATUS**

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